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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/862,648	05/22/2001	Roger Woodruff	1370.018US1	8678
21186	7590	05/04/2007		
SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. P.O. BOX 2938 MINNEAPOLIS, MN 55402			EXAMINER LIM, KRISNA	
			ART UNIT 2153	PAPER NUMBER
			MAIL DATE 05/04/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

09/862,648

Applicant(s)

WOODRUFF, ROGER

Examiner

Krisna Lim

Art Unit

2153

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on 01 July 0130.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-31 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-31 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

1. Claims 1-31 are still for examination.
2. The following is a quotation of 35 U.S.C. § 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-31 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Petty [U.S. Publication No. 2003/0014544] in view of Moore et al. [U.S. Patent 7,000,015].

4. Petty disclosed (e.g., see Figs. 1-18) the invention substantially as claimed. Taking claims 1-9 and 14-17 as exemplary claims, the reference disclosed a method (e.g., see paragraphs 18 and 19), comprising server node 410 having a plurality of devices (client 442) attached to it by TCP-AWARE TARGET ADAPTER 402 and IBA FABRIC 406.

Petty disclosed a system (1200 of Fig. 12) having TCP-aware target adapter 1202 for accelerating TCP/IP connection between a client 1220 and a server 1210. Petty further disclosed a Host Channel Adapter 711 (see Fig. 7) and Target Channel Adapter 751 (see Fig. 7), a Network Interface Card (256 of Fig. 2), and an accelerated connection processor to bridge TCP/IP transactions between the client and the server because the server was interconnected over a fabric channel and the client was interconnected over a TCP/IP based network.

While Petty detailed that his accelerated connection processor used the encoding and decoding steps in order to bridge the transaction between two different devices having two different protocol formats (e.g., in this case between a fabric channel (a first protocol format) and TCP/IP based network (a second protocol format)),

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Petty did not explicitly mention the feature of: a) discovering a device attached to the server and the conversion between the first protocol format and the second protocol format. Such features of discovering a device attached to the server and the conversion between two different formats are clearly disclosed by Moore et al. (e.g., see the abstract, col. 1 (lines 36-58), col. 2 (lines 10-31), col. 3 (lines 41-43)).

As suggested by Moore et al. (e.g., see col. 1 (line 28) to col. 31), mobility (move around of the client (the laptop), connect to and disconnect from the network, the quality and reliability in the precision of the location information of the devices that connected (attached) to the network are desirable feature in the art. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to recognize the advantage suggestion of Moore (e.g., the mobility, the quality and a reliability of the devices that were connected to the server, etc.) and combine the teaching of Moore into Petty's IBA FABRIC and TCP-AWARE Targetn adapter.

5. Claims 10-13 and 18-31 are similar in scope as of claims 1-9 and 14-17, and therefore claims 10-13 and 18-31 are rejected for the same reasons set forth above for claims 1-9 and 14-17.

6. Applicant's arguments with respect to claims 1-31 have been considered but are moot in view of the new ground(s) of rejection.

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The references are cited in the Form PTO-892 for the applicant's review.

A shortened statutory period for response to this action is set to expire 3 (three) months and 0 (zero) days from the mail date of this letter. Failure to respond within the period for response will result in **ABANDONMENT** of the application (see 35 U.S.C 133,

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M.P.E.P 710.02, 710.02(b)).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Krisna Lim whose telephone number is 571-272-3956. The examiner can normally be reached on Monday to Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenton Burgess, can be reached on 571-272-3949. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KI

April 27, 2007



**KRISNA LIM**  
**PRIMARY EXAMINER**